

Docket No. 247087US2SRD/hc



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Koichi KONDO, et al.

SERIAL NO: 10/743,090

GAU:

FILED: December 23, 2003

EXAMINER:

FOR: MECHANISM SIMULATION METHOD AND MECHANISM SIMULATION PROGRAM

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☒ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

Marvin J. Spivak

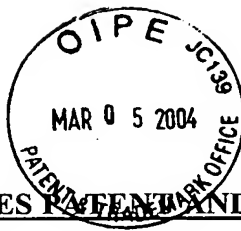
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**STATEMENT OF RELEVANCY**

**Reference AA (US 5,831,853) on Form PTO 1449:**

This reference discloses a method for automatic construction of digital controllers using hybrid models.

**Reference AO (JP 2001-222572) on Form PTO 1449:**

This reference is discussed in the specification.

**Reference AW on Form PTO 1449:**

This reference gives a survey of hybrid simulation software packages.

**Reference AX on Form PTO 1449:**

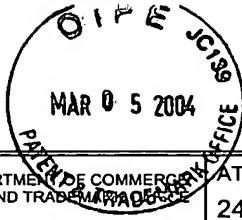
This manual describes the programming details of hybrid modeling language, hcc.

**Reference AY on Form PTO 1449:**

This reference gives theoretical background of programming language, hcc.

**Reference AZ on Form PTO 1449:**

This reference describes implementation of hybrid language, hcc.

Form PTO 1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

247087US2SRD

SERIAL NO.

10/743,090

## LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Koichi KONDO, et al.

FILING DATE

December 23, 2003

GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	5,831,853	11/03/1998	D. G. BOBROW, et al.			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AO	2001-222572	08/17/2001	JAPAN		X
	AP					
	AQ					
	AR					
	AS					
	AT					
	AU					
	AV					

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AW	P. J. MOSTERMAN; F. W. Vaandrager and J. H. van Schuppen (Eds.), Hybrid Systems 99, LNCS 1569, pages 165-176, "AN OVERVIEW OF HYBRID SIMULATION PHENOMENA AND THEIR SUPPORT BY SIMULATION PACKAGES", 1999		
	AX	B. CARLSON, et al., pages 1-29, "THE hcc PROGRAMMER'S MANUAL"		
	AY	V. GUPTA, et al., Science of Programming, vol. 30, no. 1-2, pages 1-55, "COMPUTING WITH CONTINUOUS CHANGE", 1998		
	AZ	B. CARLSON, et al., T. A. Henzinger and S. Sastry (Eds.), Hybrid Systems 98, 16 pages, "HYBRID cc WITH INTERVAL CONSTRAINTS", 1998		<input type="checkbox"/> Additional References sheet(s) attached

Examiner

Date Considered

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



**LIST OF RELATED CASES**

<u>Docket Number</u>	<u>Serial or Patent Number</u>	<u>Filing or Issue Date</u>	<u>Inventor/ Applicant</u>
235510US2 SRD	10/388,663	03/17/03	KONDO
245936US2 SRD	10/721,544	11/26/03	KONDO
247087US2 SRD*	10/743,090	12/23/03	KONDO et al.
247091US2 SRD	10/743,086	12/23/03	YOSHIDA et al.

\*Present Application; listed for information

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